Connecting cable NEBA-LE4-U-2.5-N-M8G4 Part number: 8078272



Data sheet

Feature	Value
Conforms to standard	EN 61076-2-104 EN 61984
Approval	c UL us listed (OL)
Intended use	Die Verbindungsleitung verbindet Feldgeräte (Sensoren, Aktoren) mit Steuerungen.
Certificate issuing authority	UL E253748
Cable designation	Without inscription label holder
Frequency of connection	100
Product weight	67 g
Instructions on use	Meets the requirements of IEC 61010-1 and 61010-2-202, in particular for electrically operated valves from Festo. Only energy-limited circuits with a maximum current of 4 A at a max. open circuit voltage of 30 V DC are permissible for supplying electrically actuated valves from Festo.
Electrical connection 1, function	Field device side
Electrical connection 1, connection type	Cable
Electrical connection 1, connector system	Open end
Electrical connection 1, number of connections/cores	4
Electrical connection 1, used connections/cores	4
Electrical connection 1, terminal allocation	Pin 1 = BN Pin 2 = WH Pin 3 = BU Pin 4 = BK
Electrical connection 1, display	ohne
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	M8x1, A-coded to EN 61076-2-104
Electrical connection 2, number of connections/cores	4
Electrical connection 2, used connections/cores	4
electrical connection 2, type of mounting	Screw-type lock with hexagon A/F 9 mm and longitudinal knurl

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Special characteristicsUV resistant Hydrolysis-resistant Resistant to cooling lubricants Resistant to microbes Oil resistant Ozone-resistantOutdoor applicationsApplication areas with direct exposure to outdoor climatic influences Class D1 based on IEC 60654-1Ambient temperature-40 °C85 °CNote on ambient temperature-40 °C85 °CNote on ambient temperature with moving cable-20 °C85 °CNote on the ambient temperature with flexible cable installation-20 °C85 °CNote on the ambient temperature with flexible cable installation-20 °C85 °CNote on storage temperature-25 °CNote on storage temperature-25 °CNote on storage temperature-20 °C85 °CNote aithumidityMax. 93% at 40 °CNominal altitude of use<Overvoltage categoryIICE mark (see declaration of conformity)In accordance with EU ROHS DirectiveCE marking (see declaration of conformity)To UK ROHS instructionsLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteries </th <th>Feature</th> <th>Value</th>	Feature	Value
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Bending radius, moving cable 46 mm Cable diameter 4.5 mm Cable diameter 4.5 mm Cable structure 4 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Sheath removed Cut off bluntly Degree of protection IP68 IP68 IP68 Special characteristics UV resistant Hydrolysis-resistant Resistant to coling lubricants Resistant to coling lubricants Resistant to colong lubricants Resistant to colong lubricants Resistant to microbes Oil resistant Ozone-resistant Outdoor applications Application areas with direct exposure to outdoor climatic influences Class D1 based on IEC 6054-1 Ambient temperature 40 °C85 °C Note on ambient temperature with moving cable 20 °C85 °C Note on the ambient temperature 20 °S °C for UL applications Note derating Anbient temperature with flexible cable installation 20 °S °C for UL applications Storage temperature 20 °S °C for UL applications Note on storage temperature 720 °C85 °C Note on storage temperature 720 °C85 °C Note out are arbitent temperature with flexible cable installation 20 °C out applications Storage temperature 725 °C55 °C Relative air humidity Max.	Notes on test conditions cable	Tested at 23 °C
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Cable structure4 x 0.25 mm²Nominal cross section conductor0.25 mm²Wire endsCut off bluntlyDegree of protectionIP65 IP68 IP69KNote on degree of protectionIn assembled stateSpecial characteristicsUV resistant Hydrolysis-resistant Resistant to cooling lubricants Resistant to microbes Oli resistant Ozone-resistantOutdoor applicationsApplication areas with direct exposure to outdoor climatic influences Class D1 based on IEC 60654-1Ambient temperature-40 °C85 °CNote on ambient temperature with enving cable-20 °C85 °CNote on the ambient temperature with flexible cable installation Storage temperature Note dearting-20 °C55 °CNote on storage temperature Relative air humidity-20 °C55 °CNote on storage temperature Relative air humidityMax. 93% at 40 °CNominal altitude of use Overvoltage categoryIUE Cmark (see declaration of conformity)In accordance with EU RoHS DirectiveCE mark (see declaration of conformity)To UK RoHS InstructionsLABS (PWIS) conformityVDMA24364B2-1Suitability for the production of Li-ion batteriesWiresis and to correction and account or conformity on a cordance with edit in steel, chemically nickel plated sourfaces, printed circuit boards, cables, electrical plug connectors and coils	Bending radius, moving cable	46 mm
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Wire ends Sheath removed Cut off bluntly Degree of protection IP65 IP68 IP69K Note on degree of protection in assembled state Special characteristics UV resistant Hydrolysis-resistant Resistant to cooling lubricants Resistant to any resistant Outdoor applications Ambient temperature Robe on ambient temperature with moving cable -20 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on the ambient temperature Relative air humidity -20 °C85 °C Note on storage temperature Relative air humidity Res95 °C Note on storage temperature Relative air humidity Max93 % at 40 °C Nominal altitude of use <= 2000 m NHN	Cable structure	4 x 0.25 mm ²
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Special characteristics UV resistant Hydrolysis-resistant Resistant to onicrobes Oil resistant Ozone-resistant Ozone-resistant Outdoor applications Application areas with direct exposure to outdoor climatic influences Class D1 based on IEC 60654-1 Ambient temperature -40 °C85 °C Note on ambient temperature -40 °C85 °C Note on ambient temperature with moving cable -20 °C85 °C Note on the ambient temperature with flexible cable installation -20 °C85 °C Note on the ambient temperature with flexible cable installation -20 °C85 °C Note on the ambient temperature with flexible cable installation -20 °C85 °C Note on the ambient temperature with flexible cable installation -20 °C85 °C Note on storage temperature -25 °C55 °C Note on storage temperature -25 °C55 °C Note on storage temperature -20 °C85 °C Nominal altitude of use <= 2000 m NHN	Degree of protection	IP68
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Note on the ambient temperature with flexible cable installation-20 - 50 °C for UL applicationsStorage temperature-25 °C55 °CNote on storage temperatureTemporarily during transport in packaging -40 85 °CRelative air humidityMax. 93% at 40 °CNominal altitude of use<= 2000 m NHN	Note on ambient temperature	
Storage temperature-25 °C55 °CNote on storage temperatureTemporarily during transport in packaging -40 85 °CRelative air humidityMax. 93% at 40 °CNominal altitude of use<= 2000 m NHN		-20 °C85 °C
Note on storage temperatureTemporarily during transport in packaging -40 85 °CRelative air humidityMax. 93% at 40 °CNominal altitude of use<= 2000 m NHN	Note on the ambient temperature with flexible cable installation	-20 - 50 °C for UL applications
Relative air humidity Max. 93% at 40 °C Nominal altitude of use <= 2000 m NHN	Storage temperature	-25 °C55 °C
Nominal altitude of use <= 2000 m NHN	Note on storage temperature	Temporarily during transport in packaging -40 85 °C
Overvoltage category II CE mark (see declaration of conformity) In accordance with EU RoHS Directive CE marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Relative air humidity	Max. 93% at 40 °C
CE mark (see declaration of conformity) In accordance with EU RoHS Directive CE marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Nominal altitude of use	<= 2000 m NHN
CE marking (see declaration of conformity) To UK RoHS instructions LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Overvoltage category	
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Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	CE marking (see declaration of conformity)	To UK RoHS instructions
from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	LABS (PWIS) conformity	VDMA24364-B2-L
	Suitability for the production of Li-ion batteries	surfaces, printed circuit boards, cables, electrical plug connectors and
Class 4 according to ISO 14644-1	Cleanroom class	Class 4 according to ISO 14644-1

Feature	Value
Note on materials	CFC-free RoHS-compliant Cadmium-free Free of halogen Free of phosphoric acid ester
Pollution degree	3
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Die-cast zinc, nickel-plated
Material seals	FPM
Material electrical contact	Gold-plated copper alloy
Material insulating sheath	РР